Contact SAMSUNG WORLDWIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Country	Customer Care Centre ☎	Web Site
AUSTRALIA	1300 362 603	www.samsung.com
NEW ZEALAND	0800 SAMSUNG (0800 726 786)	www.samsung.com
CHINA	400-810-5858 010-6475 1880	www.samsung.com
HONG KONG	(852) 3698-4698	www.samsung.com/hk www.samsung.com/hk_en/
INDIA	3030 8282 1800 110011 1800 3000 8282 1800 266 8282	www.samsung.com
INDONESIA	0800-112-8888 021-5699-7777	www.samsung.com
JAPAN	0120-327-527	www.samsung.com
MALAYSIA	1800-88-9999	www.samsung.com
PHILIPPINES	1-800-10-SAMSUNG(726-7864) 1-800-3-SAMSUNG(726-7864) 1-800-8-SAMSUNG(726-7864) 02-5805777	www.samsung.com
SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com
THAILAND	1800-29-3232 02-689-3232	www.samsung.com
TAIWAN	0800-329-999	www.samsung.com
VIETNAM	1 800 588 889	www.samsung.com

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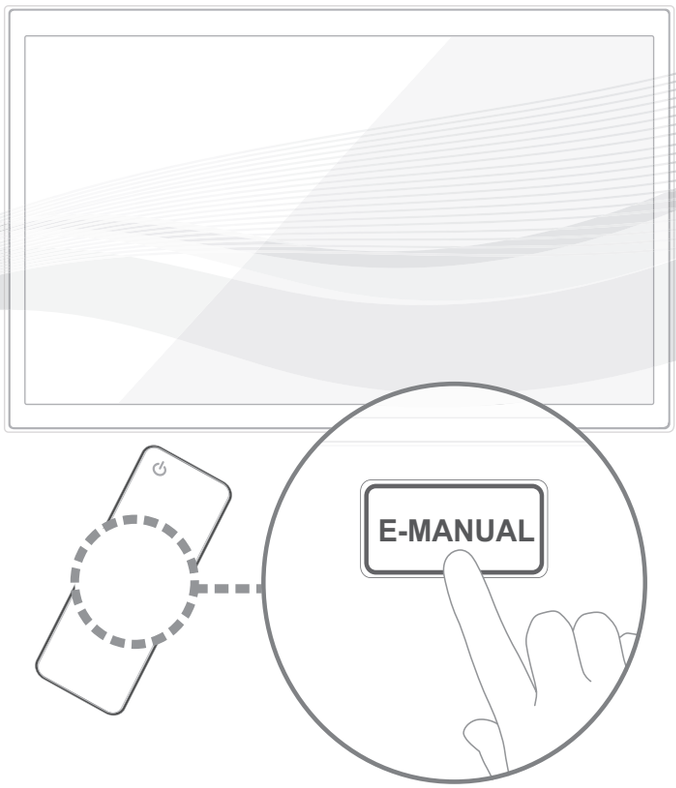
SERIES 4+

Plasma TV

user manual



imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please register your product at
www.samsung.com/register

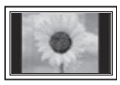
Model _____ Serial No. _____

For more information on how to use e-Manual

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

User Instructions

- **Screen Image retention**
  Do not display a still image (such as on a video game) on the plasma display panel for more than several minutes as it can cause screen image retention. This image retention is also known as “screen burn”.To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.
- **Heat on the top of the Plasma TV**
  The top side of the product may be hot after long periods of use as heat dissipates from the panel through the vent hole in the upper part of the product.
  This is normal and does not indicate any defect or operation failure of the product.
  However, children should be prevented from touching the upper part of the product.
- **The product is making a “cracking” noise.**
  A “cracking” noise may occur when the product contracts or expands due to a change in the surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.
- **Cell Defects**
  The PDP uses a panel consisting of 2,360,000(HD-level) to 6,221,000(FHD-level) pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.
- **Avoid operating the TV at temperatures below 41°F (5°C)**
- **A still image displayed too long may cause permanent damage to the PDP Panel.**



  Watching the Plasma TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause similar effects to the screen.
  Damages caused by the above effect are not covered by the Warranty.
- **After-images on the Screen.**
  Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images.
  To prevent this effect, reduce the “brightness” and “contrast” when displaying still images for a long time.
- **Warranty**
  Warranty does not cover any damage caused by image retention.
  Burn-in is not covered by the warranty.

Securing the Installation Space

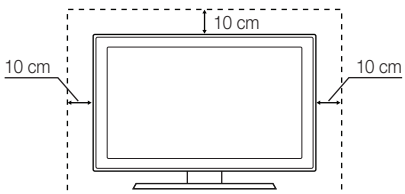
Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation.
Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.

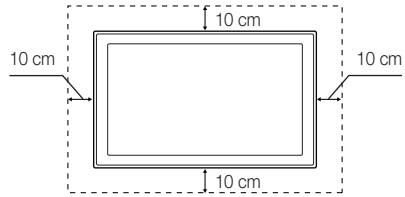
✎ When using a stand or wall-mount, use parts provided by Samsung Electronics only.
- If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.

✎ The appearance may differ depending on the product.

✎ Be careful when you contact the TV because some parts can be somewhat hot.

Installation with a stand.	Installation with a wall-mount.





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Accessories

✎ Please make sure the following items are included with your TV. If any items are missing, contact your dealer.

✎ The items' colours and shapes may vary depending on the models.

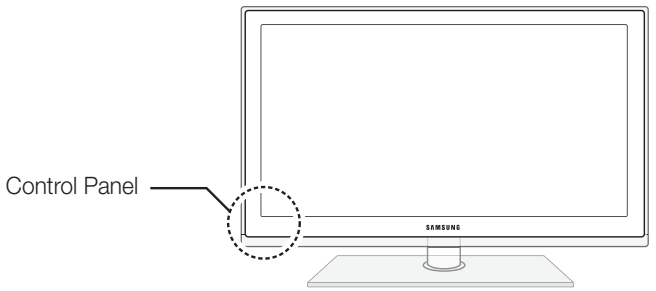
✎ Check that there is no accessory hidden behind packing materials when you open the box.

⚠ **Do not insert your fingers into the stand base slot of the TV when installing the stand base.**

- Remote Control & Batteries (AAA x 2)
- Power Cord
- Owner's Instructions
- Cleaning-Cloth
- Warranty Card (Not available in some locations) / Safety Guide

Viewing the Control Panel

The product color and shape may vary depending on the model.



Remote control sensor	Aim the remote control towards this spot on the TV.
Power Indicator	Blinks and turns off when the power is on and lights up in standby mode.
SOURCE ⏎	Toggles between all the available input sources. In the on-screen menu, use this button as you would use the ENTER ⏎ button on the remote control.
MENU	Displays an on-screen menu, the OSD (on screen display) of your TV's features.
– VOL +	Adjusts the volume. In the OSD, use the **– VOL +** buttons as you would use the ◄ and ► buttons on the remote control.
∨ CH ∧	Changes the channels. In the OSD, use the **∨ CH ∧** buttons as you would use the ▼ and ▲ buttons on the remote control.
⏻ (Power)	Turns the TV on or off.

Standby mode

Do not leave your TV in standby mode for long periods of time (when you are away on a holiday, for example). A small amount of electric power is still consumed even when the power button is turned off. It is best to unplug the power cord.

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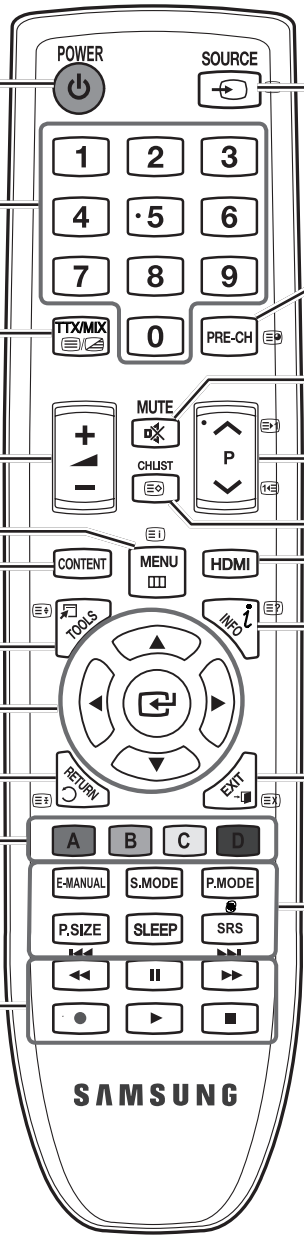
Viewing the Remote Control

✎ This is a special remote control for the visually impaired persons and has Braille points on the Number and Channel buttons.



Turns the TV on and off.

Displays and selects the available video sources.

Have direct access to channels.

Returns to the previous channel.

Alternately select Teletext ON, Double, Mix or OFF.

Cuts off the sound temporarily.

Adjusts the volume.

Changes channels.

Displays channel lists on the screen.

Opens the OSD.

Displays the Content Home, which includes **Watch TV**, **My Downloads** and **Source**.

Selects the HDMI mode directly.

Displays information on the TV screen.

Quickly select frequently used functions.

Selects the on-screen menu items and changes the values seen on the menu.

Returns to the previous menu.

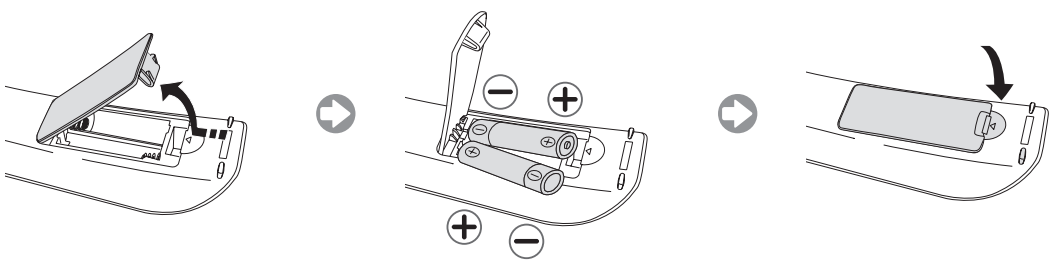
Exits the menu.

These buttons are for the **Channel Manager, My Downloads** menu, etc.

E-MANUAL: Displays the **e-Manual**.
S.MODE: Select the **Sound Mode**.
P.MODE: Selects the **Picture Mode**.
P.SIZE: Selects the **Picture Size**.
SLEEP: Automatically shuts off the TV at a preset time.
SRS: Selects the **SRS TruSurround HD** mode.

Use these buttons in a specific feature. For details, refer to the e-Manual.

Installing batteries (Battery size: AAA)



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Changing the Input Source

Source

Use to select TV or an external input sources such as a DVD / Blu-ray player / cable box /STB satellite receiver.

- **TV / AV / Component1 / Component2 / PC / HDMI1/DVI / HDMI2 / USB**

✎ In the **Source**, connected inputs will be highlighted.

✎ **PC** always stay activated.

✎ If the connected external devices are not highlighted, press the red button. The TV will search for connected devices.

Edit Name

In the **Source**, press the **TOOLS** button, and then you can set an external input sources name you want.

- **VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI PC / DVI Devices / TV / IPTV / Blu-ray / HD DVD / DMA**: Name the device connected to the input jacks to make your input source selection easier.

✎ When connecting a PC to the **HDMI IN 1(DVI)** port with HDMI cable, you should set the TV to **PC** mode under **Edit Name**.

✎ When connecting a PC to the **HDMI IN 1(DVI)** port with HDMI to DVI cable, you should set the TV to **DVI PC** mode under **Edit Name**. (PS51D450)

✎ When connecting an AV devices to the **HDMI IN 1(DVI)** port with HDMI to DVI cable, you should set the TV to **DVI Devices** mode under **Edit Name**.

Information

You can see detailed information about the selected external device.

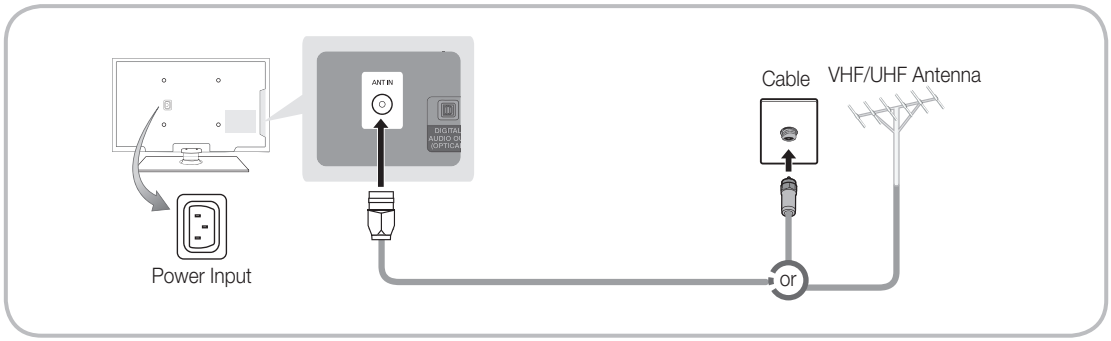
Connecting to an Antenna

When the TV is initially powered on, basic settings proceed automatically.

✎ Preset: Connecting the mains and antenna.

✎ The PDP device may interfere with an amateur radio or AM radio.

✎ When using two-way radio mobile and portable units or amateur radio or AM radio near by your TV, this may cause the TV to malfunction.



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Plug & Play (Initial Setup)

When the TV is initially powered on, a sequence of on-screen prompts will assist in configuring basic settings. Press the POWER button. **Plug & Play** is available only when the **Source** is set to TV.

✎ Before turning on the TV, make sure the antenna cable is connected (p. 6).

✎ To return to the previous step, press the Red button.

1	Selecting a language	Press the ▲ or ▼ button, then press the ENTER button. Select the desired OSD (On Screen Display) language.
2	Selecting **Store Demo** or **Home Use**	Press the ◄ or ► button, then press the ENTER button. Select the **Home Use** mode. **Store Demo** mode is for retail environments. To return the unit's settings from **Store Demo** to **Home Use** (standard): Press the volume button on the TV. When you see the volume OSD, press and hold MENU for 5 sec. **Store Demo** is only for shop display. If you select it, several functions are not able to use. Please select **Home Use** when you watch at home.
3	Selecting an area	Press the ENTER button. Select the appropriate area by pressing the ▲ or ▼ button. Press the ENTER button to confirm your choice.
4	Setting the **Clock**	Press the ENTER button. Select the **Day**, **Month**, **Year**, **Hour**, or **Minute** by pressing the ◄ or ► button. Set the **Day**, **Month**, **Year**, **Hour**, or **Minute** by pressing the ▲ or ▼ button. You can also set the **Day**, **Month**, **Year**, **Hour** and **Minute** by pressing the number buttons on the remote control.
5	Memorising Channels	The channel search will start automatically. For more information, refer to Channel → Auto Tuning in the e-Manual.
6	**Enjoy your TV**	Press the ENTER button.

If You Want to Reset This Feature...

Select **System** - **Plug & Play** (Initial Setup). Enter your 4 digit PIN number. The default PIN number is "0-0-0-0." If you want to change the PIN number, use the **Change PIN** function.

You should do **Plug & Play** (MENU → **System**) again at home although you did in shop.

✎ If you forget the PIN code, press the remote control buttons in the following sequence in Standby mode, which resets the PIN to "0-0-0-0": MUTE → 8 → 2 → 4 → POWER (on).

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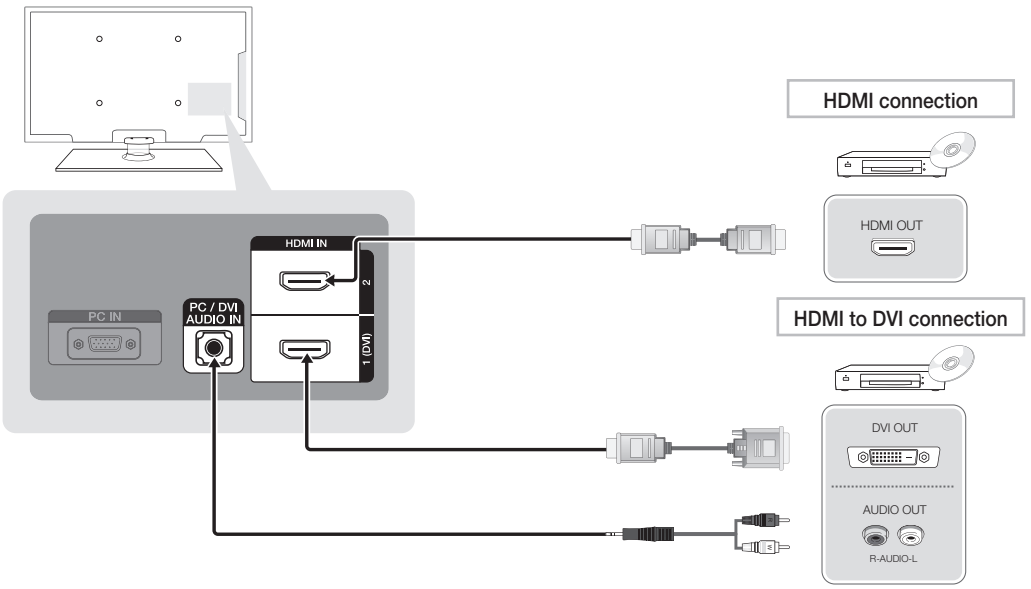
Connecting to an AV devices

Available devices: DVD, Blu-ray player, HD cable box, HD STB (Set-Top-Box) satellite receiver, VCR



Using an HDMI or an HDMI to DVI cable (up to 1080p)

✎ **HDMI IN 1 (DVI), 2 / PC/DVI IN**

- When using an HDMI/DVI cable connection, you must use the **HDMI IN 1 (DVI)** jack for video. A DVD, Blu-ray player, HD cable box, or HD STB satellite receiver may require a DVI-HDMI (DVI to HDMI) cable or DVI-HDMI (DVI to HDMI) adapter. The **PC/DVI IN** jack is required for audio.
- The picture may not display normally (if at all) or the audio may not work if an external device that uses an older version of HDMI mode is connected to the TV. If such a problem occurs, ask the manufacturer of the external device about the HDMI version and, if out of date, request an upgrade.
- Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.

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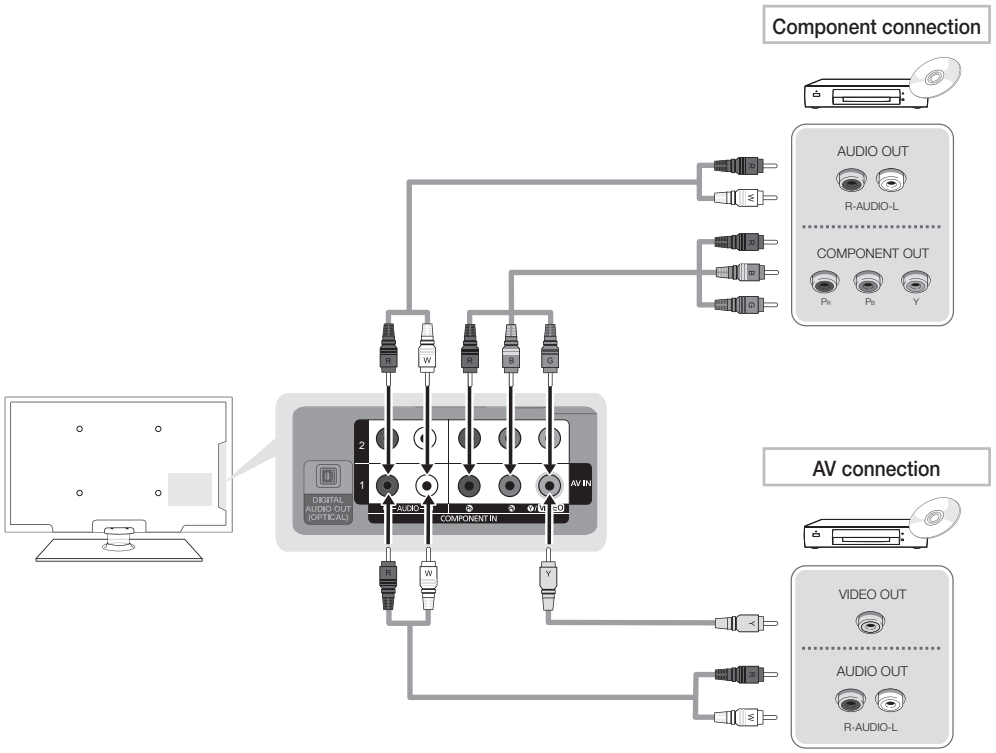

Using a Component (up to 1080p) or an Audio/Video (480i only)

✎ When connecting to **AV IN**, the color of the **AV IN [Y/VIDEO]** jack (green) will not match the video cable (yellow).

✎ To obtain the best picture quality, the Component connection is recommended over the A/V connection.

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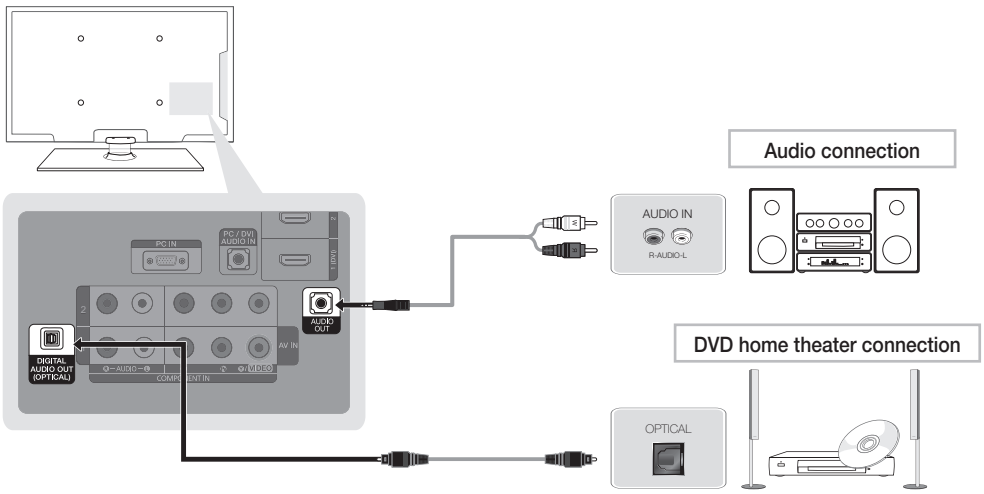
Connecting to a PC and Audio device

Available devices: digital audio system, amplifier, DVD home theatre, PC



Using an Optical (Digital) or an Audio (Analogue) Cable Connection

✎ DIGITAL AUDIO OUT (OPTICAL)

- When a digital audio system is connected to the **DIGITAL AUDIO OUT (OPTICAL)** jack, decrease the volume of both the TV and the system.
- 5.1 CH (channel) audio is available when the TV is connected to an external device supporting 5.1 CH.
- When the receiver (home theatre) is set to on, you can hear sound output from the TV's optical jack. When the TV is receiving a DTV signal, the TV will send 5.1 CH sound to the home theatre receiver. When the source is a digital component such as a DVD / Blu-ray player / cable box / STB (Set-Top-Box) satellite receiver and is connected to the TV via HDMI, only 2 CH audio will be heard from the home theatre receiver. If you want to hear 5.1 CH audio, connect the digital audio out jack from your DVD / Blu-ray player / cable box / STB satellite receiver directly to an amplifier or home theatre.

✎ **AUDIO OUT:** Connects to the audio input jacks on your amplifier/DVD home theatre.

- When connecting, use the appropriate connector.
- When an audio amplifier is connected to the **AUDIO OUT** jacks: Decrease the volume of the TV and adjust the volume level with the amplifier's volume control.

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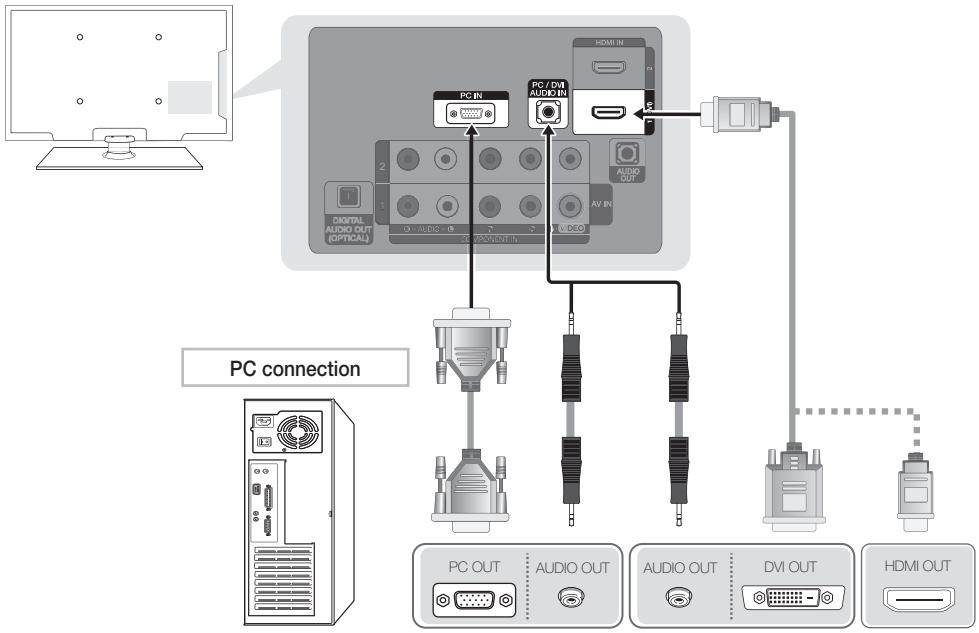
Using an HDMI cable or an HDMI to DVI cable or a D-sub cable

✎ Connecting through the HDMI cable may not be supported depending on the PC.



Display Modes (D-Sub and HDMI to DVI Input)

Optimum resolution:

- PS43D450, PS43D451: 1024 X 768 @ 60Hz
- PS51D450, PS51D451: 1360 X 768 @ 60Hz

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)	PS43D450 PS43D451	PS51D450 PS51D451
IBM	640 x 350	31.469	70.086	25.175	+/-	✓	✓
	720 x 400	31.469	70.087	28.322	-/+	✓	✓
MAC	640 x 480	35.000	66.667	30.240	-/-	✓	✓
	832 x 624	49.726	74.551	57.284	-/-	✓	✓
VESA DMT	640 x 480	31.469	59.940	25.175	-/-	✓	✓
	640 x 480	37.500	75.000	31.500	-/-	✓	✓
	640 x 480	37.861	72.809	31.500	-/-	✓	✓
	800 x 600	37.879	60.317	40.000	+/+	✓	✓
	800 x 600	46.875	75.000	49.500	+/+	✓	✓
	800 x 600	48.077	72.188	50.000	+/+	✓	✓
	1024 x 768	48.363	60.004	65.000	-/-	✓	✓
	1024 x 768	56.476	70.069	75.000	-/-	✓	✓
	1024 x 768	60.023	75.029	78.750	+/+	✓	✓
	1360 x 768	47.712	60.015	85.500	+/+		✓

✎ **NOTE**

- For HDMI/DVI cable connection, you must use the **HDMI IN 1 (DVI)** jack.
- The interlace mode is not supported.
- The set might operate abnormally if a non-standard video format is selected.
- Separate and Composite modes are supported. SOG(Sync On Green) is not supported.

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How to view the e-Manual

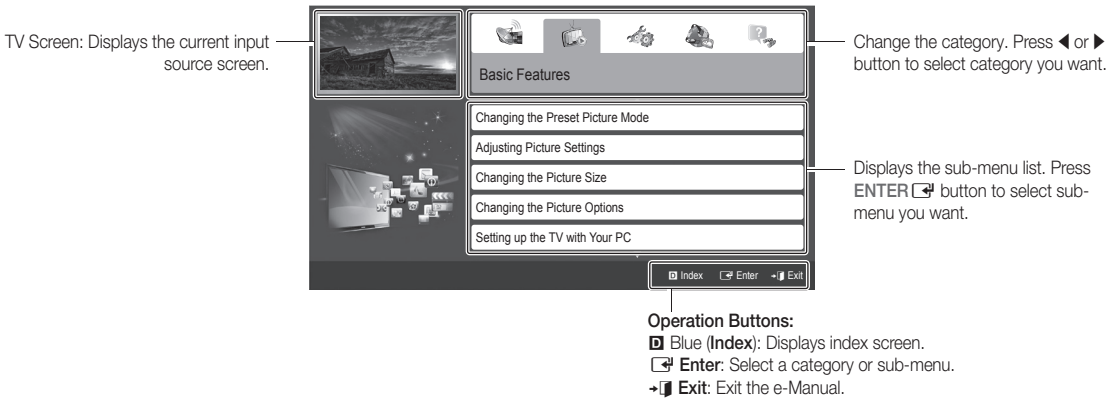
You can read the introduction and instructions about the TV features stored in your TV.

MENU → **Support** → **e-Manual** → ENTER

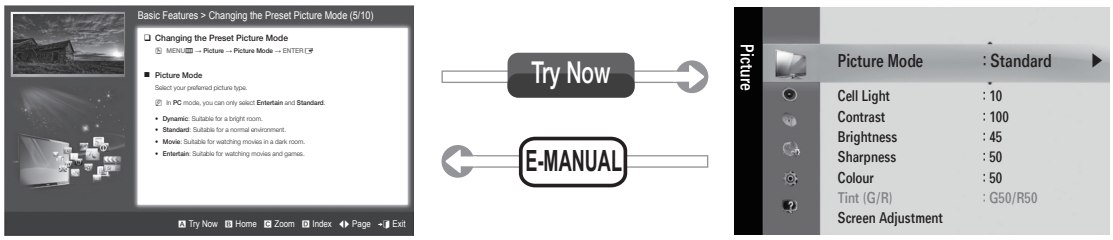
✎ If you want to return to e-Manual, press **E-MANUAL** button on remote.

✎ You can't use the **Try Now** function, if the menu is not activated.

Screen Display



How to toggle between the e-Manual and the corresponding menu(s).



✎ This function is not enabled in some menus.

Method 1	Method 2
1. If you want to use the menu that corresponds to an e-Manual topic, press the red button to select **Try Now**. 2. To return to the e-Manual screen, press the **E-MANUAL** button.	1. Press the **ENTER** button when selecting Contents Area. The "**Are you sure?**" is displayed. Select **Yes** and then press the **ENTER** button. The OSD window will be displayed. 2. To return to the e-Manual screen, press the **E-MANUAL** button.

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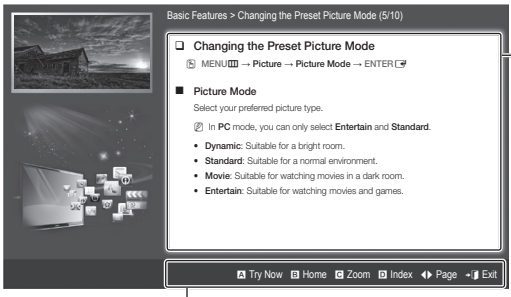
Viewing the Contents



Contents Area: You can view the corresponding contents, if you selected a sub-menu. To move previous or next page, press the ◀ or ▶ button.

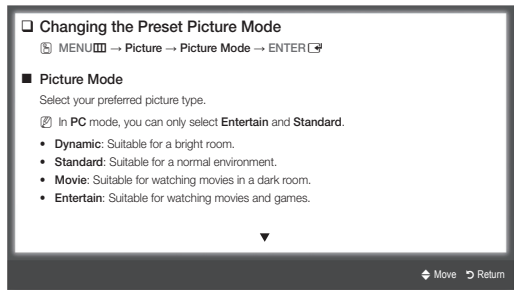
Operation Buttons:

A Red (**Try Now**): Displays the corresponding menu(s).
B Green (**Home**): Moves to the e-Manual home screen.
C Yellow (**Zoom**): Magnifies a screen.
D Blue (**Index**): Displays index screen.
◀▶ (**Page**): Moves to previous or next page.

Using the Zoom mode

When you view the e-Manual instruction, select the yellow button to magnify the screen. You can scroll through the magnified screen by using the ▲ or ▼ buttons.

✎ To return to the previous screen, press the **RETURN** button.



How to search a keyword by using index page

✎ This function may not supported depending on the language.

1. If you want to search a keyword, press the blue button to select **Index**.
2. Press the ◀ or ▶ button to select a character order you want, and then press the **ENTER** button.
3. Press the ▲ or ▼ button to select a keyword you want to see, and then press the **ENTER** button.
4. You can view the corresponding e-Manual instruction screen.

   ✎ To close the **Index** screen, press the **RETURN** button.

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Troubleshooting

If you have any questions about the TV, first refer to this list. If none of these troubleshooting tips apply, please visit “www.samsung.com,” then click on Support, or contact the call centre listed on the back-cover of this manual.

Issues	Solutions and Explanations
The TV won’t turn on.	• Make sure the AC power cord is securely plugged in to the wall outlet and the TV. • Make sure the wall outlet is working. • Try pressing the **POWER** button on the TV to make sure the problem is not the remote. If the TV turns on, refer to “Remote control does not work” below.
There is no picture/video.	• Check cable connections (remove and reconnect all cables connected to the TV and external devices). • Set your external device’s (Cable/Sat Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device’s output is HDMI, it should be connected to an HDMI input on the TV. • Make sure your connected devices are powered on. • Be sure to select the TV’s correct source by pressing the **SOURCE** button on the remote control.
There are difficulties assembling the stand base.	• Make sure the TV is placed on a flat surface. If you can not remove the screws from the TV, unnecessary use a magnetized screw driver.
The remote control does not work.	• Replace the remote control batteries with the poles (+/–) in the right direction. • Clean the sensor’s transmission window on the remote. • Try pointing the remote directly at the TV from 5~6 feet away.
The cable/set top box remote control doesn’t turn the TV on or off, or adjust the volume.	• Program the Cable/Set remote control to operate the TV. Refer to the Cable/Set user manual for the SAMSUNG TV code.

✎ Some of above pictures and functions are available at specific models only.

✎ You can keep your TV as optimum condition to upgrade the latest firmware on web site (samsung.com → Support → Downloads) by USB.

Licence

SRS TheaterSound

DOLBY DIGITAL PLUS PULSE

dts 2.0+Digital Out

DIVX HD

List of Features

Anynet+(HDMI-CEC)

Allows you to control all connected Samsung devices that support anynet+ with your Samsung TV’s remote.

My Downloads

Allows you to play music files, pictures, and movies saved on a USB device.

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Installing the Wall Mount

Installing the Wall Mount Kit

The wall mount kit (sold separately) allows you to mount the TV on the wall.

For detailed information on installing the wall mount, see the instructions provided with the wall mount. Contact a technician for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

Wall Mount Kit Specifications (VESA)

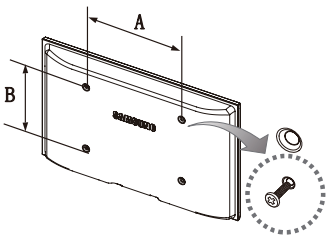
✎ The wall mount kit is not supplied, but sold separately.

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.

✎ **NOTE**

- Standard dimensions for wall mount kits are shown in the table below.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too strongly; this may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Do not mount the TV at more than a 15 degree tilt.
- Always use two people to mount the TV to a wall.

Product Family	inches	VESA Spec. (A * B)	Standard Screw	Quantity
PDP-TV	43~51	400 X 400	M8	4
	59~64	600 X 400		



✎ Unscrew the hole around before installing Wall-Mount on the wall.

Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

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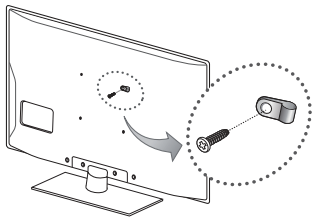
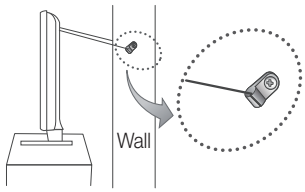
Securing the TV to the wall

Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided in the included Safety Flyer. For added stability and safety, install the anti-fall device as follows.

To Avoid the TV from Falling



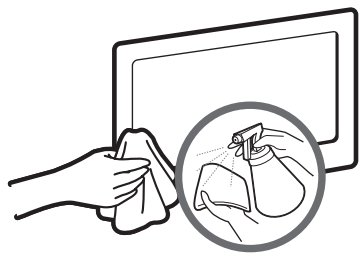


1. Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.
   - ✎ You may need additional material such as an anchor depending on the type of wall.
   - ✎ Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
2. Remove the screws from the back centre of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
   - ✎ Screws may not be supplied with the product. In this case, please purchase the screws of the following specifications.
3. Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable and then tie the string tightly.
   - ✎ **NOTE**
     - Install the TV near to the wall so that it does not fall backwards.
     - It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.
     - Untie the string before moving the TV.
4. Verify all connections are properly secured. Periodically check connections for any sign of fatigue for failure. If you have any doubt about the security of your connections, contact a professional installer.

Storage and Maintenance

✎ If you attached some stickers on the TV screen, it remains some debris after removing the sticker. Please clean it to watch TV.

Do not spray water or a cleaning agent directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.



Clean the product with a soft cloth dapped in a small amount of water.

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Specifications

Environmental Considerations		
Operating Temperature Operating Humidity Storage Temperature Storage Humidity	10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing	
Stand Swivel (Left / Right)	0˚	
Model Name	PS43D450 PS43D451	PS51D450 PS51D451
Screen Size	43 inches	51 inches
Sound (Output)	10 W X 2	
Dimensions (WxDxH) Body With stand	 1011.8 x 56.0 x 622.4 mm 1011.8 x 250.0 x 698.7 mm	 1187.8 x 56.0 x 706.6 mm 1187.8 x 250.0 x 782.9 mm
Weight Without Stand With Stand	 16.0 kg 19.0 kg	 22.5 kg 25.5 kg
Display Resolution	1024 X 768	1360 X 768

✎ Design and specifications are subject to change without prior notice.

✎ For information about power supply, and more about power consumption, refer to the label attached to the product.

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